

Appl. No. 10/766,536
Reply to Office Action of December, 2005

REMARKS

Reconsideration of this application is respectfully requested.

Claim rejections under 35 U.S.C. §102(b)

The Action rejected Claims 1-14, 16, 23-36 and 38 under 35 U.S.C. §102(b) as being anticipated by Kawasaki (U.S. 6,424,400).

Claim 1 has been amended, reciting "wherein the first integrated circuit chip is electrically connected with the other device through the anisotropic conductive film extending continuously from the first integrated circuit chip to the other device." The amendment is supported by paragraph [0018] and the FIGS. 1B, 2B, 1C, 2C, 3A, 3B and 4. No issue of new matter is raised.

Kawasaki neither discloses nor suggests electrically connecting the first integrated circuit chip with an other device through the anisotropic conductive film extending from the first integrated circuit chip to the other device.

In Kawasaki, the anisotropic conductive film (ACF) layer 21 under the printed circuit board (PCB) 13 is separated from the ACF layer 21 under the chip 3a as shown in FIGS. 1A-1B and 2A-2B. Kawasaki's ACF layers 21 are similar to the structure described in the background of the invention of this present application. In Kawasaki, the PCB 13 is electrically connected with the chip 3a through the bump 25, the separate ACF 21, the electrode 5c, the wire line 7b, the electrode 5b, another separate ACF 21 and the bump 24. The ACF layer 21 does not extend continuously from the PCB 13 to the chip 3a because ACF layers 21 are separated from each other. It is clear that Kawasaki uses the electrodes 5a, 5b, 5c and the wire lines 7a and 7b to control electrical connection between the PCB 13 and the chip 3a due to the concern of short contact between the PCB 13 and the chip 3a at undesired locations. Kawasaki's disclosure leads one of ordinary skill in the art not to electrically connect the PCB 13 and the chip 3a through the ACF extending continuously therebetween. Thus, Kawasaki not only fails to disclose, but also fails to suggest electrically connecting the PCB 13 with the chip 3a through the ACF layers 21 extending continuously from the PCB 13 to the chip 3a. Based upon the cited Kawasaki

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reference, one of ordinary skill in the art would not have been motivated to achieve the feature of the amended Claim 1.

For at least the reasons, Claim 1 is not anticipated by Kawasaki and should be allowable thereover.

Claims 3-12 and 16 depend from Claim 1, and should not be anticipated by Kawasaki for at least the same reasons discussed above.

Claim 23 has been amended, reciting the "electrical connection through the anisotropic conductive film extending from the first integrated circuit chip to the other device" feature as recited in Claim 1. Thus, Claim 23 is not anticipated by Kawasaki and should be allowable for at least the same reasons set for in connection with Claim 1.

Claim 25-34 and 38 depend from Claim 23 and should not be anticipated by Kawasaki for at least the same reasons set forth above.

Claim rejections under 35 U.S.C. §103(a)

The Action rejected Claims 15 and 37 under 35 U.S.C. §103(a) as being unpatentable over Kawasaki as applied to claims 1-14, 16, 23-26 and 38 above.

As discussed above, Claim 1 is not anticipated by Kawasaki. Further, one of ordinary skill in the art would not have been motivated by the cited Kawasaki reference to modify the teachings of Kawasaki to achieve the features of Claim 1. Thus, Claim 15, which depends from Claim 1, is patentable under 35 U.S.C. §103(a).

Claim 37 depends from Claim 23 and is patentable for at least the same reasons discussed above.

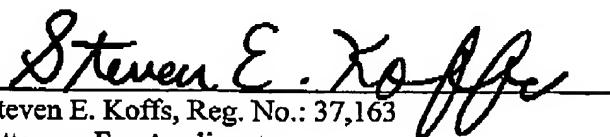
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In view of the foregoing amendments and remarks, Applicant submits that this application is in condition for allowance. Early notification to that effect is respectfully requested.

The Assistant Commissioner for Patents is hereby authorized to charge any additional fees or credit any excess payment that may be associated with this communication to deposit account 04-1679.

Respectfully submitted,

Dated: 3-17-06


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